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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/725,827

12/01/2003

Charles Forbes

VTW-010DV1

3586

7590 03/17/2008  
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EXAMINER

DHARIA, PRABODH M

ART UNIT

PAPER NUMBER

2629

MAIL DATE

DELIVERY MODE

03/17/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/725,827	<b>Applicant(s)</b> FORBES ET AL.	
	<b>Examiner</b> PRABODH M. DHARIA	<b>Art Unit</b> 2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 01 December 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 43 is/are pending in the application.
- 4a) Of the above claim(s) 1-42 and 44-95 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 43 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>09-19-2004, 09-27-2004</u> .                                  | 6) <input type="checkbox"/> Other: _____                          |

***Priority***

1. Applicant's claim for the benefit of a prior-filed application under 35 U.S.C. 119(e) or under 35 U.S.C. 120, 121, or 365(c) is acknowledged. Applicant has complied with one or more conditions for receiving the benefit of an earlier filing date under 35 U.S.C. 120, 119(e).

Applicant has made a specific reference to the prior-filed application in compliance with 37 CFR 1.78(a) must be included in the first sentence(s) of the specification following the title or in an application data sheet and for benefit claims under 35 U.S.C. 120, 121 or 365(c), applicant has included the relationship (i.e., continuation, divisional, or continuation-in-part) of the applications.

2. **Status:** Please all the replies and correspondence should be addressed to Examiner's new art unit 2629. Receipt is acknowledged of papers submitted on 12-01-2003 under amendments, which have been placed of record in the file. Claim 43 is pending. Claims 1-42 and 44-95 are cancelled.

***Response to Amendment***

3. The amendment filed 12-01-2003 does not introduce any new matter into the disclosure. The added material is supported by the original disclosure. Applicant has cancelled claims 1-42 and 44-95 and amended specification to meet requirements to claim for the benefit of a prior-filed application under 35 U.S.C. 119(e) or under 35 U.S.C. 120, 121, or 365(c).

***Information Disclosure Statement***

4. The information disclosure statements (IDS) submitted on 09-19-2004 and 09-27-2004 are in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claim 43 is rejected under 35 U.S.C. 102(e) as being anticipated by Kazlas, Peter T. et al. (US 20040180476 A1).

Regarding Claim 43, Kazlas, Peter T. et al. (US 20040180476 A1) a thin film transistor backplane (please see abstract, figure 1, page 2, paragraph 19, Line 1,2) , comprising: a polyimide substrate (page 8, paragraph 101-109); a first passivation layer deposited on a deposition surface of the polyimide substrate (page 8, paragraph 101-109, page 6, paragraph 78, page 7, paragraph 98); an array of gate electrodes and gate lines patterned on the passivation layer (page 6, paragraph 78; page 7, paragraphs 89,90, page 8, paragraph 110) a gate insulating layer deposited over the array of gate electrodes and gate lines; a semiconducting channel layer deposited over the gate insulating layer; a contact layer deposited on and in contact with the

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channel layer; and an array of source electrodes, drain electrodes, lines and pads fabricated on and in contact with the contact layer (page 6, paragraph 78, 81-88; page 7, paragraphs 88-90, page 8, paragraphs 101-110, page 3, paragraph 29, pages 4,5, paragraphs 67-70, discloses basic transistor construction using polyimide substrate with passivation layer; it is well known to one ordinary skill in the art the channeling regions are formed while depositing the source regions and drain regions, and when voltage applied across the gate to turn the TFT on would have current flowing through channel between source and drain please see Wu; Chung-Cheng et al. (US 6175394 B1) please see figure 4-8, Col. 1, Lines 57-67, Col. 5, Line 50 to Col. 6, Line 56, Col. 7, Line 30 to Col. 8, Line 12).

### ***Response to Arguments***

7. Applicant's arguments, see remark, filed 12-01-2003, with respect to the rejection(s) of claim(s) 43 have been fully considered before examination and search of claims.

### ***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Wu; Chung-Cheng et al. (US 6175394 B1) Capacitively coupled field effect transistors forelectrostatic discharge protection in flat panel displays.

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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to PRABODH M. DHARIA whose telephone number is (571)272-7668. The examiner can normally be reached on M-F 8AM to 5PM.

10. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

11. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

/Prabodh M Dharia/

Prabodh Dharia

Primary Examiner

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March 10, 2008